IUID Legacy Ground Equipment Program

Item Unique Identification

USMC Legacy Marking
DASN ALM IUID Training I
21 April 2011

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MCSC IUID Legacy Approach "Seek & Apply" Process

Step 1. UID Candidacy Process

1. DoD Criteria
2. Disposal Date
3. OEM Marking
4. MEP-I/MCI-LP2

Step 2. Pedigree Data Collection

1. Collect Data
2. PM Approval
3. Deliver Data to Engineer & TDS Teams

Step 3. Engineering Analysis

1. Conduct Analysis
2. Determine Mark Location
3. Determine Label Type
4. Determine Adhesive Type

Step 4. Marking Instruction Development

1. Develop Marking Instruction
2. Review & Finalize
3. Upload MI to SharePoint
4. Conduct CM of MIs

Step 5. Determine Equipment Quantity and Location

1. Receive Baseline Equipment Quantity & MEF Locations
2. Pull Unit CMRs/SERF Reports
3. Sort equipment according to owning unit & location
4. Develop unit inventory sheets..
5. Develop initial label requirements.

Step 6. Conduct Inventory & Validate Equipment Data & L

1. MMTs conduct inventory to validate serial numbers, quantities, and locations.
2. Fill out data discrepancy reports.
3. Provide validated data to data manager & ISM for label production.

Step 7. Label Upload File &

1. Data Manager develops upload file & places on SharePoint.
2. QA applied to Data through PDT & TDS.
3. Updated file returned to Data Mgr.
4. Label Requests provided to ISM for label production.
5. Printed Labels Organized by Unit

Step 8. Mark Equipment per MIs

1. Pull appropriate MI for equipment.
2. Validate Label HRI against Data Plate.
3. Prep & Clean equipment surface.
4. Apply IUID label to equipment.
5. ***Take picture of data plate & UID label.***

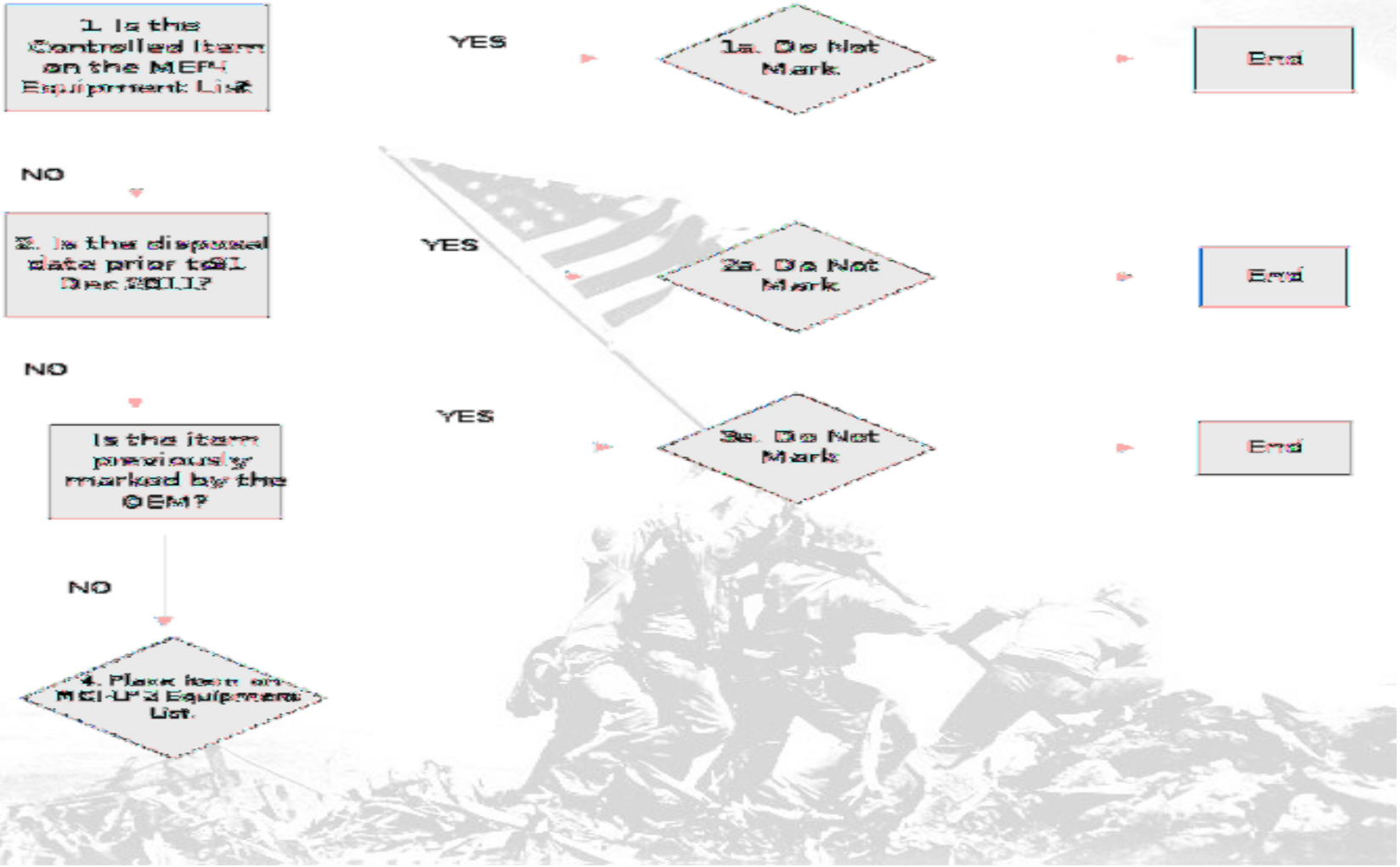
Step 9. Scan Marked E

1. Scan IUID Label.
2. Download Scan reports/data.
3. Upload scan export files to SharePoint.

Step 10. TDS QA, Storage & Upload to

1. TDS applies QA to data.
2. Resolve Discrepancies
3. Store QA'd Data
4. Send TDS upload to DoD Registry.
5. Confirm Receipt.
6. DoD Registry Accepts & Approves.
7. Confirm DoD Registry Approval.

MCSC IUID Legacy Approach
UID Candidacy Process Flow



MCSC IUID Legacy Approach Pedigree Data Collection

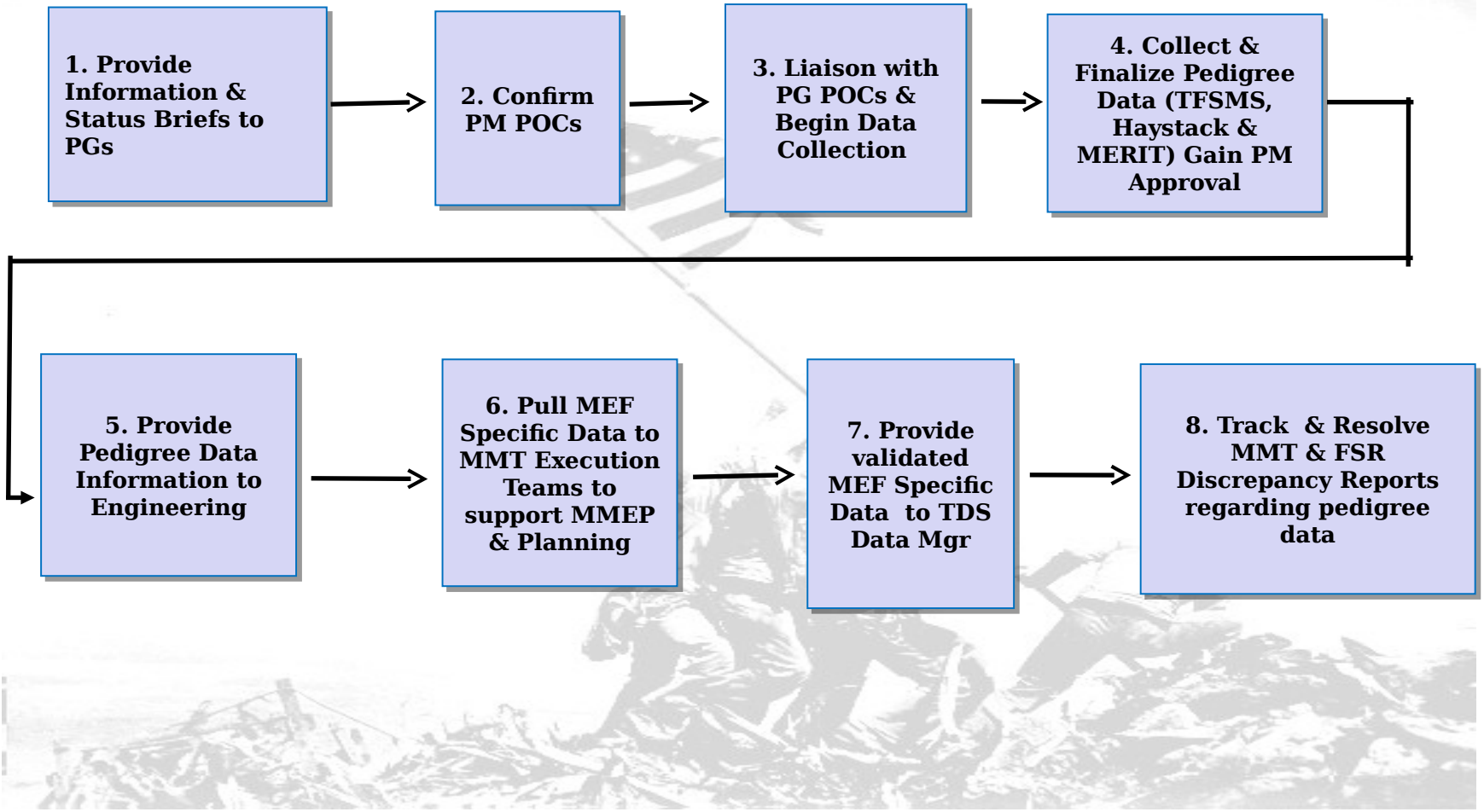
- ***Pedigree Data Collection, 58 Data Elements***
  - DoD/Registry Criteria
  - GCSS-MC Requirements
  - Financial Data

IUID Data Element
UII
UID Type
Issuing Agency Code
Enterprise Identifier
Enterprise Serial Number
Original Part Number
Mark Set
Content Type
Mark Value
Bagged or Tagged Code
Marker Code
Marker ID
Medium Type
Mark Effective Date
Unit of Measure

Legacy and/or IUID Data Elements
NSN
TAMCN
USMC Nomenclature
Model Name/Number
Manufacturer Code
Manufacturer ID
USMC Serial Number
OEM Serial Number
GD Serial Number
WAWF Serial Number
Batch/Lot Number
Current Part Number Effective Date
Current Part Number
UII Label
End of Life Date
PEI
Product Group/PM
POC
POC Phone
Additional Information
Parent UII
Custody DODAAC
Custody Location Name

Financial Data Elements
Contract Type
Contract Number (PIIN)
Prime Contractor ID CAGE
Prime Contractor ID DUNS
Item Description
BAC
BLI
RCN
SIC
OCC
SDN
LOA
ACRN
SPIIN
CLIN
Acquisition Cost
Acceptance Location
Acceptance Date
Foreign Currency Code
Current Acquisition Value

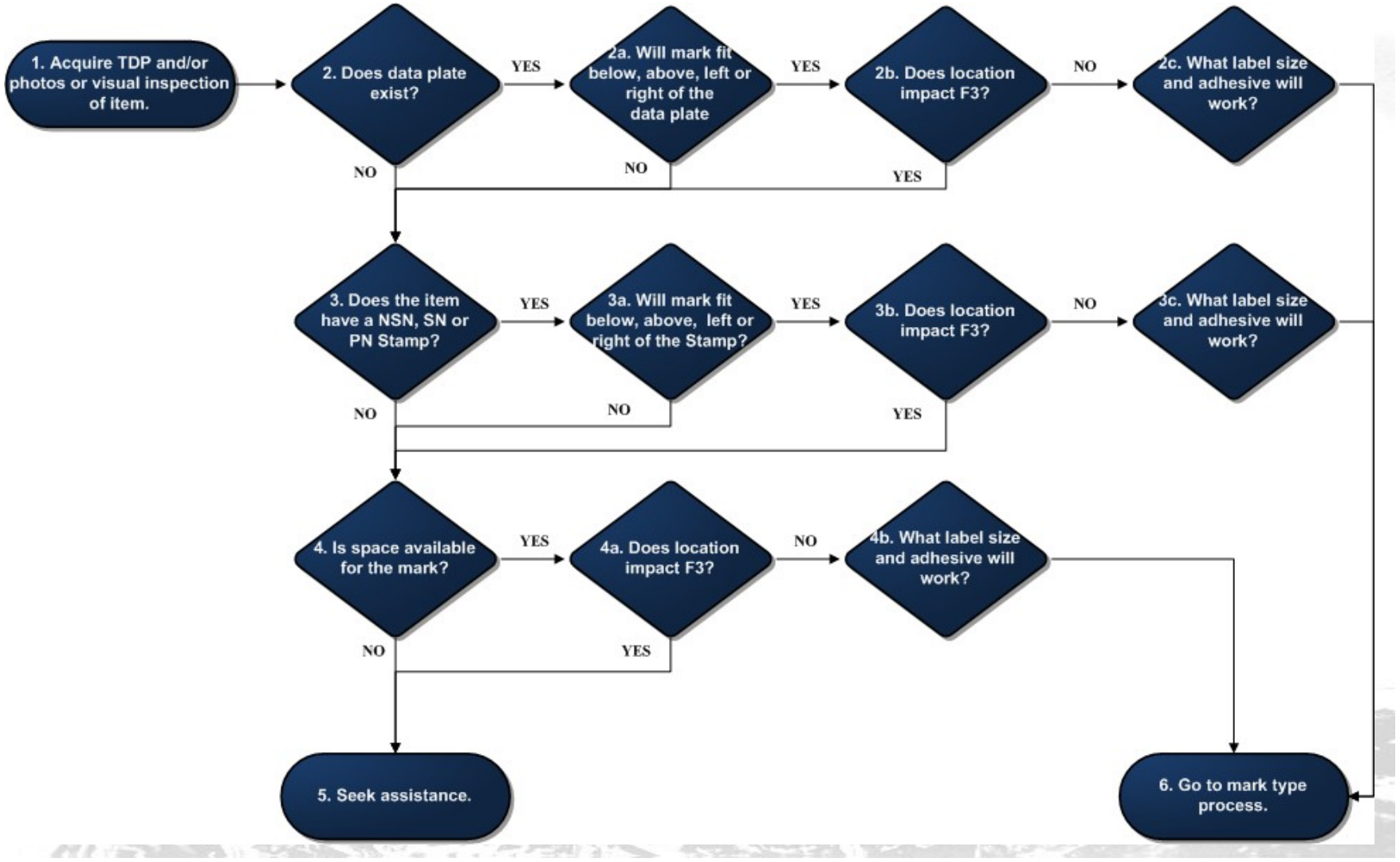
MCSC IUID Legacy Approach
Pedigree Data Collection



MCSC IUID Legacy Approach Engineering Analysis

- ***Identify Existing Drawings or ECPs***
- ***Leverage Data Plate – Label Right, Left, Bottom or Top***
- ***Conduct Engineering Analysis***
  - Coordinate with PM Systems Engineer
    - Identify Environmental Conditions
    - Determine Location
    - Identify Surface Material
    - UII Label Size, Materiel & Adhesive
- ***Validate Process, i.e., Test & Evaluation***
- ***Develop "Draft" Marking Instruction***
- ***PM Approval***
- ***Publish Validated Marking Instructions***

MCSC IUID Legacy Approach Engineering Analysis



MCSC IUID Legacy Approach Communications

- ***MEF In-Briefs***
  - Scope, Schedule & Draft Letter Of Instructions
  - Base Newspaper Article
- ***Command In-Briefs***
  - Item Unique Identification (IUID) 101
  - Marine Corps Order 4410.28
  - Official Naval Correspondents & Messages
  - Identify POCs

MCSC IUID Legacy Approach Coordination

- ***Initial PEI Quantity & Locations***
- ***Coordinate W/Unit - Obtain Unit CMRs & SER Files***
  - Unit Operational Tempo/Liberty Schedule
  - Validate TAMCNs Against “To Be Marked” Listing
  - Commodity Locations
- ***Create Inventory Work Sheets***

MCSC IUID Legacy Approach Serf Report

SUC	TAMCN	NSN	SERIAL NUMBER
Y00	A9100	7010090000294	2UA52600W0
Y00	A9100	7010090000294	2UA526010P
Y01	A9100	7010090000294	2UA526010Z
Y02	A9100	7010090000294	2UA5260119
Y03	A9100	7010090004448	SMXL7450ZR7
Y04	A9100	7010090004448	SMXL7450ZR8
Y05	A9100	7010090004448	SMXL7450ZRR
Y06	A9100	7010090004448	SMXL7450ZRT
Y07	A9100	7010090004448	SMXL7450ZSH
Y08	A9100	7010090004448	SMXL7450ZST
Y09	A9100	7010090004448	SMXL7450ZTG
Y10	A9100	7010090004448	SMXL7450ZVB
Y11	A9100	7010090004448	SMXL7450ZVL
Y12	C4433	8115014747089	110445-1
Y13	C4433	8115014747089	114289-4
Y14	H0001	5805090002120	300001001452530
Y15	H0001	5805090002120	300003000600100
Y16	HL011	594001S00M779	320CEE1904
Y17	HL011	594001S00M779	320CEE1916
Y18	HL011	594001S00M779	320CEE1920
Y19	HL011	594001S00M779	320CEE1922
Y20	HL011	594001S00M779	320CEE1924
Y21	HL011	594001S00M779	320CEE1934
Y22	HL011	594001S00M779	320CEE1949

MCSC IUID Legacy Approach
" To Be Marked "

CMR	TAM #	NOMENCLATURE	NSN	SER #	MANUFACTURE ID/ CAGE CODE	CONTRACT NUMBER	MANUFACTURE SER #
Y54	A0019	RADIO SET	5820013788778	1			
Y54	A0019	RADIO SET	5820013788778	3			
Y56	A0019	RADIO SET	5820013788778	6			
Y56	A0019	RADIO SET	5820013788778	9			
Y56	A0019	RADIO SET	5820013788778	10			
Y56	A0019	RADIO SET	5820013788778	14			
Y56	A0090	RECEIVE SUITE	5820015306497	111			
Y56	A0090	RECEIVE SUITE	5820015306497	121			
Y56	A0652	CONVERTER FIBER OPT, GSC-54	6020012372218	A00028			
Y56	A0652	CONVERTER FIBER OPT, GSC-55	6020012372218	A00054			
Y56	A0652	CONVERTER FIBER OPT, GSC-56	6020012372218	A00112			
Y56	A0652	CONVERTER FIBER OPT, GSC-57	6020012372218	A00423			
Y56	A0652	CONVERTER FIBER OPT, GSC-58	6020012372218	A00468			
Y56	A0652	CONVERTER FIBER OPT, GSC-59	6020012372218	A00591			
Y56	A0652	CONVERTER FIBER OPT, GSC-60	6020012372218	A00621			
Y56	A0652	CONVERTER FIBER OPT, GSC-61	6020012372218	A00673			

"TO MARK" LIST SCRUBBED ONLY TO INCLUDE PREDESIGNATED NATIONAL STOC

MCSC IUID Legacy Approach Inventory & Validate

- *MMTs Inventory & Validate*
- *Create/Populate Data Discrepancy Reports*
- *Quality Control Checks Data*
- *Data Manager Creates Label Production Request*
- *ISM Print Labels*

MCSC IUID Legacy Approach

Post Inventory Worksheet

"TO MARK" Asset

OEM Marked Asset

Serial Number Discrepancy

CMR	TAM #		NSN	SER #	CAGE CODE	CONTRACT NUMBER	MANUFACTURE SER #
Y54	A0019	RADIO S	5820013788778	1	3CLD8		NOT AVAILABLE
Y54	A0019	RADIO SET	5820013788778	3	3CLD8		NOT AVAILABLE
Y56	A0019	RADIO SET	5820013788778	6	3CLD8		NOT AVAILABLE
Y56	A0019	RADIO SET	5820013788778	9	3CLD8		NOT AVAILABLE
Y56	A0019	RADIO SET	5820013788778	10	3CLD8		NOT AVAILABLE
Y56	A0019	RADIO SET	5820013788778	14	3CLD8		NOT AVAILABLE
Y56	A0090	RECEIVE SUITE	5820015306497	111			NOT AVAILABLE
Y56	A0090	RECEIVE SUITE	5820015306497	121			NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-54	6020012372218	A00028		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-55	6020012372218	A00054		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-56	6020012372218	A00112		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-57	6020012372218	A00423 A00426		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-58	6020012372218	A00468		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-59	6020012372218	A00591		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-60	6020012372218	A00621		N00039-90-C-065	NOT AVAILABLE
Y56	A0652	CONVERTER FIBER OPT, GSC-61	6020012372218	A00673		N00039-90-C-065	NOT AVAILABLE

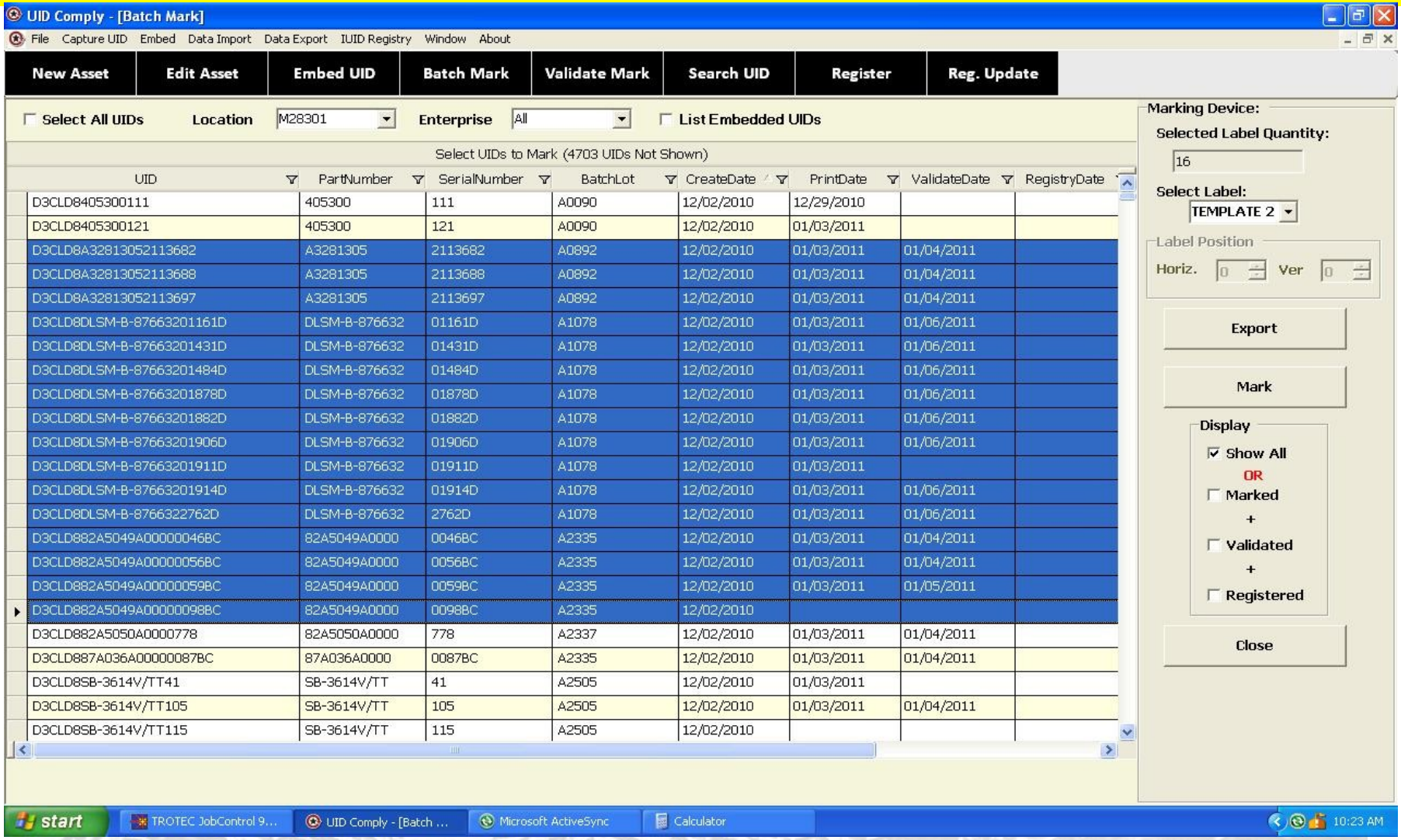
MCSC IUID Legacy Approach Label Production Request

ORIGINAL PART NUMBER	ENTERPRISE ID	ENTERPRISE SERIAL NUMBER	BAGGING DESCRIPTION	CODE	UNIT OF MEASURE	CUSTODIAL	LOCATION OF ITEM	CONTENTS	HUMAN READABLE
3515N	3CLD8	300101733	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300101832	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300101860	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300101884	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300102218	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300102230	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
3515N	3CLD8	300102247	N	TEST SET,RADIO	EA	A7080	6625015380285	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	0367	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	0443	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	1440	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	1469	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	2511	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
9001-7802-000	3CLD8	2733	N	TEST SET,RADIO	EA	A7082	6625013092825	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TK-1141	3CLD8	0136	N	TOOL KIT,LINEMAN'S	EA	B0062	5180015500145	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
90002A0001	3CLD8	197181	N	MODULE,WATER PUMP	EA	B1581	4320013181853	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301001	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301002	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301003	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301004	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301005	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER
TRH-0100	3CLD8	28301006	N	RATION HEATING SET	EA	C6621	7310012957479	M28301	CAMP PENDLETON	NATIONAL STOCK NUMBER	STOCK NUMBER

MCSC IUID Legacy Approach Label Production

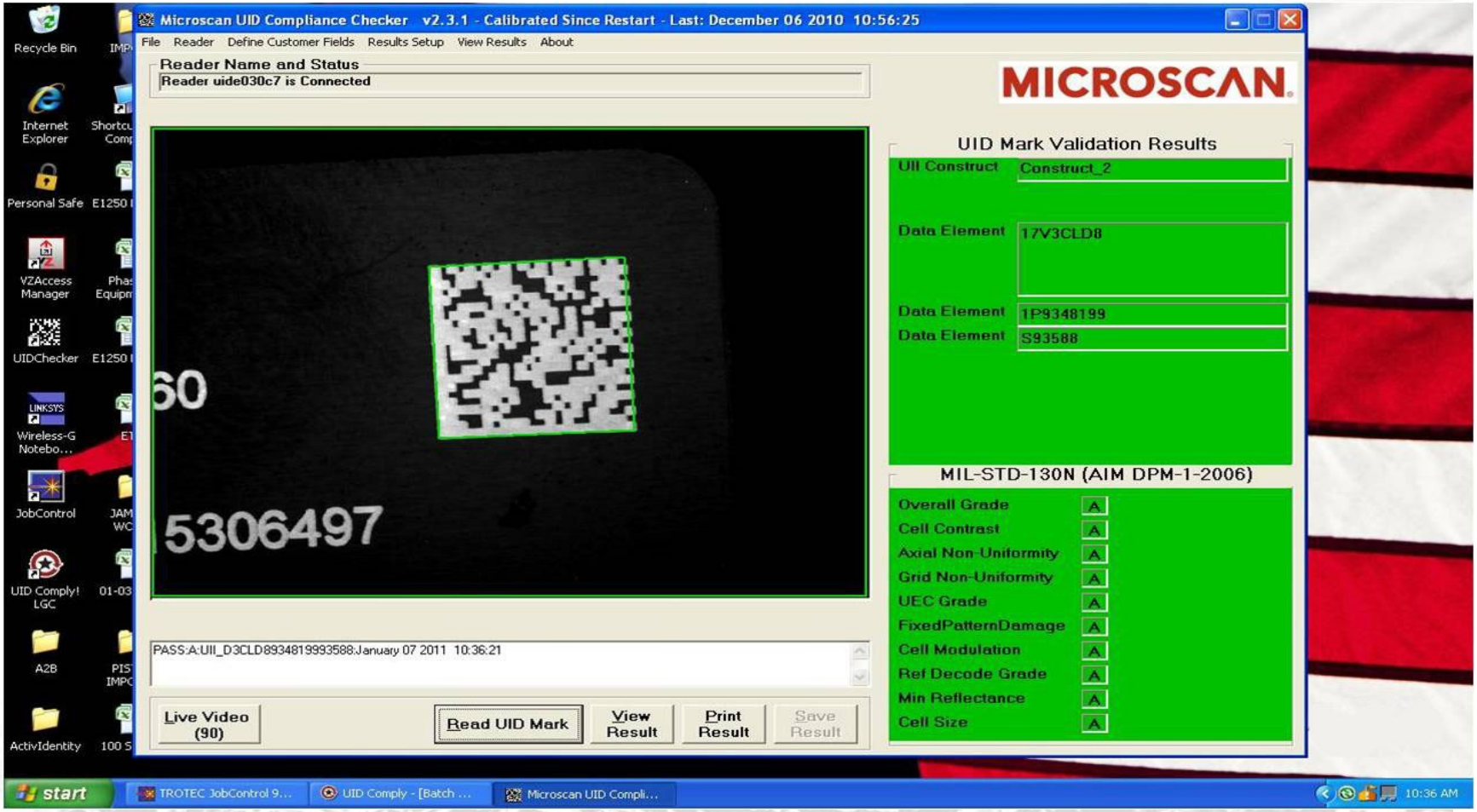
- ***Data Manager Uploads File - Label Production***
  - ❑ Labels Cleaned & Loaded In Jig
  - ❑ Jig Placed in MMC, Settings & Adjustments Entered
  - ❑ Labels Produced
  - ❑ Labels Verified
  - ❑ Final Quality Control/Assurance
  - ❑ Labels Organized Unit (Binders)

MCSC IUID Legacy Approach Label Production



MCSC IUID Legacy Approach

Label Verification (Good)



MCSC IUID Legacy Approach Label Verification (Bad)

MCSC IUID Legacy Approach Marking

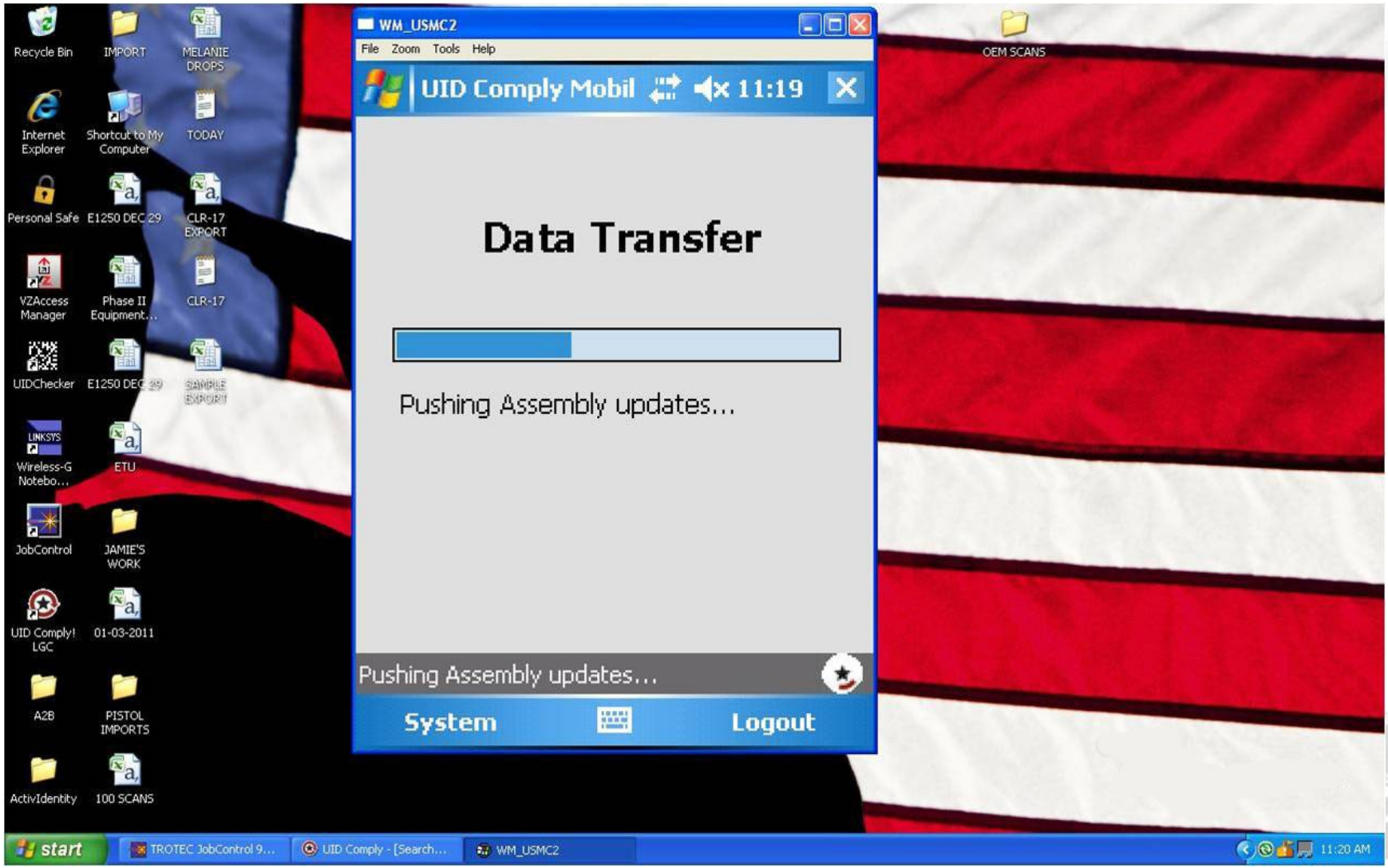
- ***Validate Label Against Equipment's Data Plate***
- ***Prepare/Clean Equipment's Surface***
- ***Apply label IAW Marking Instruction***
- ***Scan IUID Label***
- ***Photograph Data Plate & Applied Label***
- ***Download Scanned Data & Photo***
- ***Upload Files to Sharepoint***

MCSC IUID Legacy Approach

Marking

PICTURE TAKEN AFTER ASSET WAS MARKED

MCSC IUID Legacy Approach
Data Synchronization



MCSC IUID Legacy Approach Data Export To TDS

Description	Pend	IUIDUpdate	UIDType	BatchLot	EnterpriseID	PartNumber	SerialNumber	Location	Category	CreateDate	PrintDate	ValidateDate
BOX,SHIPPING		D3CLD8102440PRC019972	UID2	C4431	3CLD8	102440	PRC019972	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:48
BOX,SHIPPING		D3CLD8102440PRC020053	UID2	C4431	3CLD8	102440	PRC020053	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:06
BOX,SHIPPING		D3CLD8102440PRC020077	UID2	C4431	3CLD8	102440	PRC020077	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:49
BOX,SHIPPING		D3CLD8102440PRC020084	UID2	C4431	3CLD8	102440	PRC020084	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:00
BOX,SHIPPING		D3CLD8102440PRC020104	UID2	C4431	3CLD8	102440	PRC020104	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:53
BOX,SHIPPING		D3CLD8102440PRC020188	UID2	C4431	3CLD8	102440	PRC020188	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:28
BOX,SHIPPING		D3CLD8102440PRC020237	UID2	C4431	3CLD8	102440	PRC020237	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:14
BOX,SHIPPING		D3CLD8102440PRC020283	UID2	C4431	3CLD8	102440	PRC020283	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:59
BOX,SHIPPING		D3CLD8102440PRC020372	UID2	C4431	3CLD8	102440	PRC020372	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:05
BOX,SHIPPING		D3CLD8102440PRC020393	UID2	C4431	3CLD8	102440	PRC020393	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:08
BOX,SHIPPING		D3CLD8102440PRC020510	UID2	C4431	3CLD8	102440	PRC020510	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:50
BOX,SHIPPING		D3CLD8102440PRC020598	UID2	C4431	3CLD8	102440	PRC020598	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:14
BOX,SHIPPING		D3CLD8102440PRC020658	UID2	C4431	3CLD8	102440	PRC020658	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:00
BOX,SHIPPING		D3CLD8102440PRC020696	UID2	C4431	3CLD8	102440	PRC020696	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:06
BOX,SHIPPING		D3CLD8102440PRC020710	UID2	C4431	3CLD8	102440	PRC020710	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:13
BOX,SHIPPING		D3CLD8102440PRC020722	UID2	C4431	3CLD8	102440	PRC020722	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 10:59
BOX,SHIPPING		D3CLD8102440PRC020793	UID2	C4431	3CLD8	102440	PRC020793	M28301	Active	1/3/2011 11:07	1/3/2011 11:09	1/6/2011 11:17
BOX,SHIPPING		D3CLD8102440PRC041205	UID2	C4431	3CLD8	102440	PRC041205	M28301	Active	1/3/2011 11:07	1/3/2011 11:13	1/6/2011 9:48
BOX,SHIPPING		D3CLD8102440PRC041206	UID2	C4431	3CLD8	102440	PRC041206	M28301	Active	1/3/2011 11:07	1/3/2011 11:13	1/6/2011 9:48
BOX,SHIPPING		D3CLD8102440PRC041275	UID2	C4431	3CLD8	102440	PRC041275	M28301	Active	1/3/2011 11:07	1/3/2011 11:13	1/6/2011 9:59
BOX,SHIPPING		D3CLD8102440PRC041276	UID2	C4431	3CLD8	102440	PRC041276	M28301	Active	1/3/2011 11:07	1/3/2011 11:13	1/6/2011 10:02
BOX,SHIPPING		D3CLD8102440PRC041285	UID2	C4431	3CLD8	102440	PRC041285	M28301	Active	1/3/2011 11:07	1/3/2011 11:13	1/6/2011 10:07